

Suggested Revisions to Modeling Objectives Matrix based on May 17 Conference Call with EPA

Models	A	B	C	D	E
1. Hydrodynamic			x	x	x
2. Sedimentation			x	x	x
3. Linked Models 1+2 with EPA F&T and Food Web Model	x ^{1,2}	x	x	x ^{1,2}	
4. BSAF		x	x	x	
5. Sediment Bed Models			x ⁴	x	
6. Empirical data	x ^{2,3}		x ⁵	x	x

A Contribution of surface water relative to sediment with respect to risk in tissue. (A)

B Estimate tissue/risk levels in species/locations for which we do not have empirical data (e.g., tissue, prey items, etc.

C Evaluate longterm impact of **sources** and remedial action alternatives associated with risk posed by chemical levels sediment, water column, and tissue. (C)

D Identify data gaps relative to the evaluation. (D)

E Understand erosional and depositional process to predict risk and support remedial design. (E)

F Estimation of acceptable sediment and water concentrations based on acceptable tissue concentrations (e.g., PRG:

1 Use for future conditions in FS evaluations.

2 Use for baseline conditions in Round 2 Report and RI/BLRA.

3 Used to support Model 3 to understand contribution to water from resuspension of bed sediments.

4 Use to check importance of bed processes not quantified or simplified in Model 3

5 Sediment trap and surface water data used for initial condition chemical inputs to Model 3

F
x^2
x

). (B)
in

s). (F)